

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, March 03, 2014 11:06 AM
To: Bradley Barquest
Subject: Check in re: next steps baseline sampling

Brad,

We planned to check in this week. Maybe Thursday AM?

Ray

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, March 04, 2014 5:12 PM
To: Bradley Barquest
Subject: FW: Check in re: next steps baseline sampling

Got your message. I am in offsite H&S Training tomorrow. I may try calling you around noon. Or me we can talk on Thursday AM.

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From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, March 05, 2014 4:58 AM
To: Chavira, Raymond
Subject: RE: Check in re: next steps baseline sampling

Sounds good.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, March 04, 2014 7:12 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] FW: Check in re: next steps baseline sampling

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From: Chavira, Raymond
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To: Bradley Barquest
Subject: Check in re: next steps baseline sampling

Brad,

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From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, March 06, 2014 3:22 PM
To: Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com); Lee, Don; Tom Perina
Subject: Joint Water Gauging

Tetra Tech spoke with Michele Zych of CDM Smith yesterday and confirmed that CDM Smith wants Tetra Tech to participate in a joint water gauging coordinated effort on March 12 and 13. CDM Smith has specified these dates because they (CDM Smith) and San Gabriel Valley Water Company have apparently agreed that the B7C and B11B production wells will be operating on those days.

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The main contact at the County is:

Magdy El-Shwahyk
Los Angeles County Dept of Public Works
Land Development Division, 8th Floor
Permits and Subdivisions Section
900 S. Fremont Ave., Alhambra, CA 91803
Tel (626) 458-3134
FAX (626) 576-7739
melshwah@dpw.lacounty.gov

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From: Chavira, Raymond
Sent: Thursday, March 06, 2014 4:05 PM
To: Parsons, Scott
Cc: Bradley A Barquest (bradley.barquest@utc.com); Lee, Don; Tom Perina
Subject: RE: Joint Water Gauging

Specifically, what is the status of the permits you have not received?

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From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Thursday, March 06, 2014 4:09 PM
To: Chavira, Raymond
Subject: RE: Joint Water Gauging

We have 18 wells in unincorporated LA County. We have permits for 8 of the wells and need permits for the other 10. Magdy thinks the permits for the other wells will be issued next week.

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, March 06, 2014 4:05 PM
To: Parsons, Scott
Cc: Bradley A Barquest (bradley.barquest@utc.com); Lee, Don; Tom Perina
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I suggest to plan for the water gauging on the 12-13. My expectation is the permits will be available, if not, I suggest you proceed under the current work plans.

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Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
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(415) 947-3528 fax

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From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, March 07, 2014 10:49 AM
To: Chavira, Raymond;Parsons, Scott
Cc: Lee, Don;Tom Perina
Subject: RE: Joint Water Gauging

Ray, based on your e-mail we are preparing for the coordinated joint groundwater elevation data collection activities on March 12 and 13, 2014. However, for clarification, is the United States Environmental Protection Agency Region IX authorizing Tetra Tech to proceed with the coordinated joint groundwater elevation data collection activities on March 12 and 13, 2014 in the event Tetra Tech has not received the Los Angeles County Department of Public Works encroachment permits prior to those dates? Please advise.

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From: Chavira, Raymond
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Brad,

Yes. Proceed with water gauging and follow all conditions as if you had received the permit i.e. substantive requirements. Since you have received approved permits, the expectation should be straightforward.

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From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, March 07, 2014 1:31 PM
To: Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: FW: Synoptic Water Sampling

Ray,

Before we reschedule our field crew, I wanted to make sure that you USEPA wants us to proceed in accordance with Northrop's newly revised schedule.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your system.

From: Zych, Michele [<mailto:ZychMA@cdmsmith.com>]
Sent: Friday, March 07, 2014 1:20 PM
To: Parsons, Scott
Subject: RE: Synoptic Water Sampling

Scott,

We just heard from San Gabriel that they won't be able to turn B7C on until Monday (it was supposed to happen today). In order to make sure that B7C is up and running consistently before our water gauging, we are thinking we should back up a day and complete the event next Thursday and Friday, March 13 and 14? Will that work for you?

Please let me know,

Michele

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, March 05, 2014 4:28 PM
To: Zych, Michele
Subject: RE: Synoptic Water Sampling

Thanks Michele. I will let you know if things change but as far as I know now we will be out there.

From: Zych, Michele [<mailto:ZychMA@cdmsmith.com>]
Sent: Wednesday, March 05, 2014 4:23 PM
To: Parsons, Scott
Subject: RE: Synoptic Water Sampling

Thanks Scott,

We are looking to do the synoptic event on March 12 and 13. San Gabriel is going to turn on B7C on Friday and have agreed to wait to turn off B11B until March 14th. That is why we are looking to do our water level event in between those two dates during which both wells will be pumping.

Michele

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]

Sent: Wednesday, March 05, 2014 12:04 PM

To: Zych, Michele

Subject: Synoptic Water Sampling

I think USEPA want us to perform the synoptic groundwater level measurements on your schedule, and is asking to do so without all the permits and notifications. Can you confirm the dates and which production wells you want operating and not operating while we are collecting the water level measurements?

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, March 07, 2014 2:59 PM
To: Parsons, Scott
Cc: Bradley A Barquest (bradley.barquest@utc.com); Tom.Perina@CH2M.com
Subject: RE: Synoptic Water Sampling

Scott,

I was not aware of the changed dates. I appreciate the update. We are Ok with whatever dates eventually work as long as a production well is not shut off or start up during water gauging.

BTW. The sooner you can have the revised plan to us by the time all is said and done TT may be in position to mobilize once.

Ray

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Friday, March 07, 2014 1:31 PM
To: Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: FW: Synoptic Water Sampling

Ray,

Before we reschedule our field crew, I wanted to make sure that you USEPA wants us to proceed in accordance with Northrop's newly revised schedule.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010
Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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From: Zych, Michele [<mailto:ZychMA@cdmsmith.com>]
Sent: Friday, March 07, 2014 1:20 PM
To: Parsons, Scott
Subject: RE: Synoptic Water Sampling

Scott,

We just heard from San Gabriel that they won't be able to turn B7C on until Monday (it was supposed to happen today). In order to make sure that B7C is up and running consistently before our water gauging, we are thinking we should back up a day and complete the event next Thursday and Friday, March 13 and 14? Will that work for you?

Please let me know,

Michele

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, March 05, 2014 4:28 PM
To: Zych, Michele
Subject: RE: Synoptic Water Sampling

Thanks Michele. I will let you know if things change but as far as I know now we will be out there.

From: Zych, Michele [<mailto:ZychMA@cdmsmith.com>]
Sent: Wednesday, March 05, 2014 4:23 PM
To: Parsons, Scott
Subject: RE: Synoptic Water Sampling

Thanks Scott,

We are looking to do the synoptic event on March 12 and 13. San Gabriel is going to turn on B7C on Friday and have agreed to wait to turn off B11B until March 14th. That is why we are looking to do our water level event in between those two dates during which both wells will be pumping.

Michele

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]
Sent: Wednesday, March 05, 2014 12:04 PM
To: Zych, Michele
Subject: Synoptic Water Sampling

I think USEPA want us to perform the synoptic groundwater level measurements on your schedule, and is asking to do so without all the permits and notifications. Can you confirm the dates and which production wells you want operating and not operating while we are collecting the water level measurements?

Chavira, Raymond

Subject: Baseline Sampling
Location: conference call

Start: Mon 3/10/2014 2:00 PM
End: Mon 3/10/2014 2:30 PM
Show Time As: Tentative

Recurrence: (none)

Meeting Status: Not yet responded

Organizer: Parsons, Scott

I am proposing a 10:00 am call on Monday to discuss the baseline sampling results and associated statistical analysis. If this time is inconvenient, please make a counter offer. This will be a conference call only (no webcast).

-+-----+-----+-----+-----+-----+-----+-----+-----+-----+-

SCOTT PARSONS has invited you to attend an online meeting using Microsoft® Office Live Meeting service.

[Join the meeting](#)

AUDIO INFORMATION

Telephone Conferencing

Choose one of the following:

- Dial the conferencing service directly, and enter the participant code shown below:
Toll-free: +1-8666925721
Toll: +1-5174449940
Participant Code: 9114316

FIRST-TIME USERS

To save time before the meeting, [check your system](#) to make sure it is ready to use Office Live Meeting.

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Unable to join the meeting? Follow these steps:

1. Copy this address and paste into your web browser:
<https://www.livemeeting.com/cc/tetrattech/join>
2. Copy and paste the required information:
Meeting ID: 67SPMJ
Entry Code: z(`8h89@W
Location: <https://www.livemeeting.com/cc/tetrattech>

If you still cannot enter the meeting, [contact support](#).

NOTICE

Office Live Meeting can be used to record meetings. By participating in this meeting, you agree that your communications may be monitored or recorded at any time during the meeting.

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Monday, March 10, 2014 11:20 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: VCW-7 (California Avenue)

Ray,

FYI, water level monitoring at VCW-7 (California Avenue) is scheduled for Wednesday, March 12 between 10AM and 11AM. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | **NEW** Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

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Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, March 10, 2014 11:21 AM
To: Lee, Don
Cc: Parsons, Scott
Subject: RE: VCW-7 (California Avenue)

Thanks Don.

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
Sent: Monday, March 10, 2014 11:20 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: VCW-7 (California Avenue)

Ray,

FYI, water level monitoring at VCW-7 (California Avenue) is scheduled for Wednesday, March 12 between 10AM and 11AM. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | **NEW** Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, March 10, 2014 2:04 PM
To: Chavira, Raymond;Kerang Sun (Kerang.Sun@CH2M.com)
Subject: Baseline Conference Call

Ray and Kerang are able to join us for the conference call to discuss the above. We are on the line now with Tetra tech and Tom P.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, March 10, 2014 2:07 PM
To: Barquest, Bradley A UTCHQ;Kerang Sun (Kerang.Sun@CH2M.com)
Subject: RE: Baseline Conference Call

Calling now

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Monday, March 10, 2014 2:04 PM
To: Chavira, Raymond; Kerang Sun (Kerang.Sun@CH2M.com)
Subject: Baseline Conference Call

Ray and Kerang are able to join us for the conference call to discuss the above. We are on the line now with Tetra tech and Tom P.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, March 12, 2014 12:24 PM
To: Parsons, Scott; Barquest, Bradley A UTCHQ
Cc: Tom.Perina@CH2M.com; Kerang.Sun@CH2M.com; Lee, Don
Subject: FW: DRAFT PVOU SZ Statistics 4.pptx

Scott,

In addition, to the recommendation by CH2M, please include:

1. Evaluation of S5 alone as a subset of wells (although one date point) water quality generated at S5 appears similar to the reinjection wells (A-C only).
2. Evaluation of other constituents. This way if Water Board requests data we have it available

It's clear another round of sampling is needed, however, please consider moving forward with injection testing since only S5 was planned to start as Phase 1 ("early action").

Please be prepared to discuss on Tuesday afternoon. I will check with WQA on a conference line if needed.

Ray

From: Tom.Perina@CH2M.com [mailto:Tom.Perina@CH2M.com]
Sent: Wednesday, March 12, 2014 10:23 AM
To: Chavira, Raymond
Cc: Kerang.Sun@CH2M.com
Subject: RE: DRAFT PVOU SZ Statistics 4.pptx

Ray,

Below is our recommendation for interpreting the baseline sampling results.

Tom

Central Tendency Comparison

A suggested central tendency approach for comparing one population with an alternate population involved either some version of a two-sample t test or a nonparametric alternative such as the Wilcoxon Rank Sum test (or a modification of this nonparametric test known as Gehan's test). If the data from each population can be shown to be normally distributed, then the two-sample t test (comparison of means) is appropriate (possible even when a small percentage of results are nondetect). Otherwise, a nonparametric comparison method can be used, with little loss in statistical power (sensitivity to detect a difference). Per USEPA recommendations, nonparametric approaches are preferred over potential use of log-transformed values (USEPA, 2013).

Both the Wilcoxon Rank Sum test and Gehan's test are based on ranks of the data, thus the highest rank(s) of the data may be much higher than the rest of the population or barely higher and the test result will be identical (the ranks of the data will be the same). Since these tests seek whether an overall shift (as opposed to focusing on differences in the upper tail of the populations) occurs in one population over another, this is expected. It is still appropriate, however, to acknowledge whether a small percentage of unusually elevated results exist in one population as opposed to the other. This can easily be accomplished through preparation of any type of overlaid or side-by-side plots that portray

the entire population (e.g. simple scatter plots, probability plots, box and whisker plots, etc.) as opposed to just a summary statistic value (e.g. mean, median, etc.).

Gehan's test should be expected to provide the same conclusion as the Wilcoxon Rank Sum test when all data are detected, but when the percentage of nondetects is high (>40-50%) or the nondetect values vary for a given constituent (e.g. when dilutions alter the limits of detection), Gehan's test is preferred.

Upper Tolerance Limit

An upper tolerance limit (UTL) is a threshold value estimating an upper percentile of a population and can be used to conclude whether results from an alternate study (as long as they are below the UTL) be considered part of the same population as used to calculate the UTL. They are not suitable for inter-population comparisons (comparing two or more calculated UTLs is incorrect).

A (individual) sample of the treated water (for example, calculated as flow-weighted average concentration) can be compared to the UTL calculated for the injection area.

Reference

United States Environmental Protection Agency (USEPA), *ProUCL Version 5.0.00, Statistical Software for Environmental Applications for Data Sets with and without Nondetect Observations*, Office of Research and Development, September, 2013.

From: Parsons, Scott [<mailto:Scott.Parsons@tetrattech.com>]

Sent: Monday, March 10, 2014 1:46 PM

To: Sun, Kerang/SCO; Perina, Tom/RIV; chavira.raymond@epa.gov; Abrahams, Jennifer; Bradley A Barquest (bradley.barquest@utc.com)

Subject: DRAFT PVOU SZ Statistics 4.pptx

The attached presentation will be referenced during our call. There will not be a webcast

Chavira, Raymond

From: Emma Pulido <Emma.Pulido@tetrattech.com>
Sent: Friday, March 14, 2014 5:50 PM
To: Chavira, Raymond
Subject: UTC PVOU (Spring) First Half 2014 GW Monitoring Work Plan

Click the links below to download the files. Files will expire Wed Mar 26 19:50:03 2014.

[GW Monitoring Workplan First Half 2014 20140314.pdf \(8,655,599 bytes\)](#)
[RTC_20140314.pdf \(431,477 bytes\)](#)

Package details:

From: emma.pulido@tt
To: chavira.raymond@epamail.epa.gov ; bradley.barquest@utc.com ; tom.perina@ch2m.com ;
Kerang.Sun@CH2M.com
Subject: UTC PVOU (Spring) First Half 2014 GW Monitoring Work Plan
Arrived: Fri Mar 14 19:50:02 2014

Good afternoon,

Please see the attached UTC PVOU (Spring) First Half 2014 Groundwater Monitoring Work Plan along with the Tetra Tech Response to the United States Environmental Protection Agency comments on the *Groundwater Monitoring and Sampling Work Plan First Half 2014* dated January 21, 2014, per Scott Parsons' request. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant
Direct: 949.809.5118 | Main: 949.809.5000 | Fax: 949.809.5010
emma.pulido@tetrattech.com

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Total file size: 9,087,076 bytes

Chavira, Raymond

From: Pulido, Emma <Emma.Pulido@tetrattech.com>
Sent: Friday, March 14, 2014 5:55 PM
To: Chavira,
Raymond;Kerang.Sun@CH2M.com;bradley.barquest@utc.com;tom.perina@ch2m.com
Cc: Parsons, Scott
Subject: My recent email: UTC PVOU (Spring) 1st Half 2014 GW Monitoring Work Plan

Good afternoon,

Please disregard my first email, there seemed to be a glitch when emailing the file which will ask you to login. However, the second email **does not** require a login. Please let me know if you have any questions.

Thank you,
Emma Pulido

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, March 19, 2014 11:13 AM
To: Enriquez, Raymond;pwinspector@lapuente.org;Joshua Nelson
Cc: Bradley.Barquest@utc.com;Parsons, Scott;Chavira, Raymond;tom.perina@ch2m.com;Upendra Joshi (UJoshi@cc-eng.com);Moisseeva, Tatiana;Rosa.Esquivel@CH2M.com
Subject: NOTIFICATION - Groundwater sampling from existing monitoring wells in the Cities of Industry and La Puente Area , April 1- 18, 2014 (est.)

Hello Raymond, Gregory, and Joshua,

Please be advised that Tetra Tech will be collecting groundwater samples from existing monitoring wells located on public roadways approximately from April 1 to 18, 2014.

A brief description of the planned work is as follows:

Work Description: Collect groundwater samples from existing monitoring wells.

Where: Mainly residential and smaller industrial access roads in La Puente, Industry, Valinda, and West Puente Valley (see locations below).

When: Approximately from April 1 to 18, 2014.

Traffic Impact: The sampling is expected to take no longer than 1 hour at each well location and will be done one location at a time. Minimal or no traffic impact is expected at most locations. Temporary traffic control signs will be set up at each location to allow two-way traffic flow around the work area. None of the roads will be blocked. Street parking will be temporarily obstructed. Monitoring wells located on busier roads (California Avenue, Valley Boulevard, Proctor Avenue, Sunset Avenue, and Don Julian Road) will be accessed during non-rush hours between 9 AM and 3 PM. Work near schools will be scheduled to avoid school pick up and drop off hours.

Monitoring Well Locations:

MONITORING WELL	LOCATION
SW-02 (MW-19)	Cadbrook Dr / Aldgate Ave, La Puente
VCW-02	Clintwood Ave./ Flanner., La Puente
VCW-03	Sandy Hook/ Beckner, La Puente
LCW-04 (MW6-18)	14252 Amar Rd, La Puente
LCW-05 (MW6-19)	14220 E Homeward St / Sandsprings Dr), La Puente
LCW-08 (MW-17D)	346 N. Lang Ave near Nelson Ave , La Puente
LCW-10 (MW-15)	312 Ardilla Ave, La Puente
MW-02	326 Sandia Ave, La Puente
MW-06	Greenberry Dr/Flagstaff St , La Puente
MW-09	518 N. California Ave, La Puente
MW-11	Greenberry Dr/Flagstaff St, La Puente

MW-12	Beckner/Foxworth Ave, La Puente
MW-16D, 16S	14110 Prichard St, La Puente
MW-17S	346 N. Lang Ave, La Puente
MW-18D, 18S	On Glenshaw Ave near Temple Ave, La Puente
MW6-10	130 North Sunset Ave, La Puente
MW6-11	Glenshaw Ave near Temple Ave, La Puente
MW6-15	Rath St / Radway Ave, La Puente
MW6-16	Giordano St / Aldgate Ave, La Puente
MW6-17, S-06	Flanner St / Clintwood Ave, La Puente
MW6-21	Tamar Dr / Homeward St, La Puente
S-05	Orange Ave / Marland St, La Puente
S-07	Giordano St / Evanwood Ave, La Puente
S-09	Temple Ave / Duff Ave, La Puente
MP20-4,5	Glenshaw Dr / Pritchard St, La Puente
VCW-06/SW-04	On 8th Ave south of Valley Blvd, City of Industry
VCW-07	On California Ave south of Valley Blvd, City of Industry
VCW-09/SW-05	On Orange near Nelson, City of Industry
MW-01A (South)	135-140 North Long Lane, City of Industry
MW-01B(North)	135-140 North Long Lane, City of Industry
MW-03, S-03	130 North Sunset Ave, City of Industry
MW-04	14632 Valley Blvd/ 7&8 th Ave, City of Industry
MW-05	Valley Blvd/ 8th Ave, City of Industry
MW-13	7th Ave south of Valley Blvd, City of Industry
MW-14	212 S 6th Ave, City of Industry
MW6-9, S-02A/B	On Long Lane south of Nelson Ave, City of Industry
MW6-35 to 37	14498 Proctor Ave, Industry
MW-D1	Edison easement, City of Industry
MW-D2	14841 Don Julian Rd, City of Industry
MW-6-17i	14841 Don Julian Rd, City of Industry
MW-6-44, 45	15020 Proctor Ave, City of Industry
MW6-61 to 65	525 Parriot Place, City of Industry
MW-6-71	Edison easement, City of Industry
MW6-20A, 20B	Don Julian/6th Ave, City of Industry
SW-03 (MW6-14)	14806 Flanner St/ Evanwood Ave, Valinda
VCW-01	14850 Giordano Street, Valinda
MW-08	Temple Ave/ Duff Ave, Valinda
MW-10	14772 Lassalette St, Valinda
MW6-12	14746 Lassalette St, Valinda
MW6-13	Temple Ave/ Duff Ave, Valinda
MW8-1	Sauder St./ Van Wig Ave, West Puente Valley
MW8-2	Homeward St./Van Wig Ave, West Puente Valley
MW8-3	Edanruth Ave/Joycedale St., West Puente Valley

Please call me if you have any questions.

Don

Don Lee, PG, CHG | Senior Hydrogeologist

Direct: 949.809.5220 | Main: 949.809.5000 | **NEW** Cell: 949.697.1575 | Fax: 949.809.5010

don.lee@tetrattech.com

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, March 21, 2014 10:59 AM
To: Chavira, Raymond
Subject: Automatic reply: EPA comments on Revised Groundwater Monitoring Work Plan First Event 2014 (14 Mar 2014)

I will be out of the office Monday March 17 through the Friday March 21, 2014 and will have limited telephone and e-mail access during that time.

Thank you

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, March 28, 2014 8:08 AM
To: Chavira, Raymond
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

As a follow up to the email submittal of the draft March 27, 2014 revision of Groundwater Monitoring Work Plan: Hard copies were sent out by FedEx last night and will be delivered today. I attempted to send the email with the electronic copies yesterday afternoon but realized this morning that it got hung up in our system and was still in my outbox. I

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

Tetra Tech
17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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-----Original Message-----

From: Parsons, Scott
Sent: Friday, March 28, 2014 8:02 AM
To: Chavira.Raymond@epamail.epa.gov
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: Emailing: GWM_WP_R2_20140327

Ray,

Please find attached an electronic copy of the March 27, 2014 revision of the Spring (First Half 2014) Puente Valley Operable Unit Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan and associated Response to Comments. We are prepared to commence with the Spring (First Half 2014) groundwater monitoring event, and will do so unless we hear otherwise from the United States Environmental Protection Agency. Hard copies and compact discs are being sent by Federal Express for delivery on Friday March 28, 2014.

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

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GWM_WP_R2_20140327

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Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, March 28, 2014 9:05 AM
To: Parsons, Scott
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

Scott,

Thanks for the update. Please send the files directly as PDF and WORD attachments. Thanks

Ray

-----Original Message-----

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, March 28, 2014 8:08 AM
To: Chavira, Raymond
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

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Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

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-----Original Message-----

From: Parsons, Scott
Sent: Friday, March 28, 2014 8:02 AM
To: Chavira.Raymond@epamail.epa.gov
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
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Scott Parsons | Principal Engineer

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Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, March 28, 2014 9:06 AM
To: Chavira, Raymond
Subject: RE: Emailing: GWM_WP_R2_20140327

Did you receive the pdf this morning by email? Just want to make sure it went through this morning.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, March 28, 2014 9:05 AM
To: Parsons, Scott
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

Scott,

Thanks for the update. Please send the files directly as PDF and WORD attachments. Thanks

Ray

-----Original Message-----

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, March 28, 2014 8:08 AM
To: Chavira, Raymond
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

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Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

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17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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-----Original Message-----

From: Parsons, Scott

Sent: Friday, March 28, 2014 8:02 AM

To: Chavira.Raymond@epamail.epa.gov

Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)

Subject: Emailing: GWM_WP_R2_20140327

Ray,

Please find attached an electronic copy of the March 27, 2014 revision of the Spring (First Half 2014) Puente Valley Operable Unit Shallow Zone North of Puente Creek Groundwater Monitoring Work Plan and associated Response to Comments. We are prepared to commence with the Spring (First Half 2014) groundwater monitoring event, and will do so unless we hear otherwise from the United States Environmental Protection Agency. Hard copies and compact discs are being sent by Federal Express for delivery on Friday March 28, 2014.

Scott Parsons | Principal Engineer

Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

Tetra Tech

17885 Von Karmann Avenue | Suite 500 | Irvine, CA 92614-6213

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GWM_WP_R2_20140327

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Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, March 28, 2014 9:15 AM
To: Parsons, Scott
Subject: RE: Emailing: GWM_WP_R2_20140327

Just got it. We will conduct a quick review.

-----Original Message-----

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, March 28, 2014 9:06 AM
To: Chavira, Raymond
Subject: RE: Emailing: GWM_WP_R2_20140327

Did you receive the pdf this morning by email? Just want to make sure it went through this morning.

-----Original Message-----

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Friday, March 28, 2014 9:05 AM
To: Parsons, Scott
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

Scott,

Thanks for the update. Please send the files directly as PDF and WORD attachments. Thanks

Ray

-----Original Message-----

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, March 28, 2014 8:08 AM
To: Chavira, Raymond
Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: Emailing: GWM_WP_R2_20140327

As a follow up to the email submittal of the draft March 27, 2014 revision of Groundwater Monitoring Work Plan: Hard copies were sent out by FedEx last night and will be delivered today. I attempted to send the email with the electronic copies yesterday afternoon but realized this morning that it got hung up in our system and was still in my outbox. I

Scott Parsons | Principal Engineer
Direct: 949.809.5222 | Main: 949.809.5000 | Fax: 949.809.5010 Scott.Parsons@tetrattech.com

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To: Chavira.Raymond@epamail.epa.gov

Cc: Tom Perina; Kerang Sun; John Dolegowski (john.Dolegowski@CH2M.com); Bradley A Barquest (bradley.barquest@utc.com)

Subject: Emailing: GWM_WP_R2_20140327

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Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, March 28, 2014 9:16 AM
To: Chavira, Raymond
Subject: RE: Emailing: GWM_WP_R2_20140327

Ok. Word doc is on the way.

-----Original Message-----

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Sent: Friday, March 28, 2014 9:15 AM
To: Parsons, Scott
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Chavira, Raymond

From: Emma Pulido <Emma.Pulido@tetrattech.com>
Sent: Friday, March 28, 2014 11:14 AM
To: Chavira, Raymond
Subject: UTC PVOU GW Monitoring Spring (First Half) Work Plan, March 27th revision

Follow Up Flag: Follow up
Flag Status: Completed

Click the links below to download the files. Files will expire Wed Apr 09 13:14:20 2014.

[20140327_RTC.docx \(491,579 bytes\)](#)

[20140327_RTC.pdf \(481,183 bytes\)](#)

[GWM_WP_R2_20140327.docx \(140,617 bytes\)](#)

[GWM_WP_R2_20140327.pdf \(8,818,854 bytes\)](#)

Package details:

From: emma.pulido@tt

To: chavira.raymond@epamail.epa.gov ; tom.perina@ch2m.com ; bradley.barquest@utc.com

Subject: UTC PVOU GW Monitoring Spring (First Half) Work Plan, March 27th revision

Arrived: Fri Mar 28 13:14:20 2014

Good morning,

Please see the attached UTC PVOU (Spring) First Half 2014 Groundwater Monitoring Work Plan, March 27th revision along with the Tetra Tech Response to the United States Environmental Protection Agency comments on the *Groundwater Monitoring and Sampling Work Plan First Half 2014* dated January 21, 2014 and March 14, 2014, per Scott Parsons' request. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant

Direct: 949.809.5118 | Main: 949.809.5000 | Fax: 949.809.5010

emma.pulido@tetrattech.com

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Total file size: 9,932,233 bytes

Chavira, Raymond

From: Lee, Don <Don.Lee@tetrattech.com>
Sent: Wednesday, April 09, 2014 9:58 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: VCW-7 (California Avenue)

Ray,

FYI, water level monitoring at VCW-7 (California Avenue) is scheduled for Thursday, April 17 between 10AM and 11AM. Traffic control and a flag person will be there.

Will let you know if anything changes. Please call if you have any questions.

Thanks
Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | **NEW** Cell: 949.697.1575 | Fax: 949.809.5010
don.lee@tetrattech.com

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Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, April 09, 2014 3:44 PM
To: Lee, Don
Cc: Parsons, Scott
Subject: RE: VCW-7 (California Avenue)

Thanks for the update.

Everything going smoothly?

Ray

From: Lee, Don [mailto:Don.Lee@tetrattech.com]
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Sent: Thursday, April 10, 2014 8:02 AM
To: Chavira, Raymond
Cc: Parsons, Scott
Subject: RE: VCW-7 (California Avenue)

Yes, thanks.

Don

Don Lee, PG, CHG | Senior Hydrogeologist
Direct: 949.809.5220 | Main: 949.809.5000 | **NEW** Cell: 949.697.1575 | Fax: 949.809.5010
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Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, April 10, 2014 3:21 PM
To: Bradley A Barquest (bradley.barquest@utc.com)
Subject: Request for Conf Call next Week to discuss SZ North work

Hi Brad,

I would like to have a call with you to discuss the SZ North work. Let's see if we can connect next Tuesday or Thursday.

Thanks

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Friday, April 11, 2014 5:00 AM
To: Chavira, Raymond
Subject: RE: Request for Conf Call next Week to discuss SZ North work

Ray, Thursday the 17th looks like the better of the two days for a call. Would you prefer morning or afternoon (pacific time).

Let me know what works for you.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [mailto:Chavira.Raymond@epa.gov]
Sent: Thursday, April 10, 2014 5:21 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] Request for Conf Call next Week to discuss SZ North work

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Ray

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EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, April 11, 2014 9:19 AM
To: Barquest, Bradley A UTCHQ
Subject: RE: Request for Conf Call next Week to discuss SZ North work

Brad,

I am available at 930 am – 1045 am or from 200 pm on PDT next Thursday April 17

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Friday, April 11, 2014 5:00 AM
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EPA Region IX
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San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Friday, April 11, 2014 1:16 PM
To: Tom Perina;Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: FSP/QAPP

Ray,

As an update: We are going through the final review of the FSP and QAPP today. We will send out by email on Monday April 14, 2014 with hardcopies arriving by overnight delivery on Tuesday morning. We will hand deliver a hard copy and CD to the CH2MHill Santa Ana office on Monday.

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, April 11, 2014 1:51 PM
To: Parsons, Scott; Tom Perina
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: RE: FSP/QAPP

Scott,

No problem. Thanks for the heads up.

Ray

From: Parsons, Scott [mailto:Scott.Parsons@tetrattech.com]
Sent: Friday, April 11, 2014 1:16 PM
To: Tom Perina; Chavira, Raymond
Cc: Bradley A Barquest (bradley.barquest@utc.com)
Subject: FSP/QAPP

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Chavira, Raymond

From: Emma Pulido <Emma.Pulido@tetrattech.com>
Sent: Monday, April 14, 2014 1:33 PM
To: Chavira, Raymond
Subject: UTC PVOU Quality Assurance Project Plan

Click the links below to download the files. Files will expire Sat Apr 26 15:32:39 2014.

[QAPP_20140414.pdf \(10,649,945 bytes\)](#)

Package details:

From: emma.pulido@tt

To: chavira.raymond@epamail.epa.gov ; bradley.barquest@utc.com ; tom.perina@ch2m.com ; John.Dolegowski@CH2M.com ; Kerang.Sun@CH2M.com

Subject: UTC PVOU Quality Assurance Project Plan

Arrived: Mon Apr 14 15:32:38 2014

Good afternoon,

Please see the attached UTC PVOU Quality Assurance Project Plan (QAPP), per Scott Parsons' request. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant
Direct: 949.809.5118 | Main: 949.809.5000 | Fax: 949.809.5010
emma.pulido@tetrattech.com

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Total file size: 10,649,945 bytes

Chavira, Raymond

From: Emma Pulido <Emma.Pulido@tetrattech.com>
Sent: Monday, April 14, 2014 1:35 PM
To: Chavira, Raymond
Subject: UTC PVOU Field Sampling Plan

Click the links below to download the files. Files will expire Sat Apr 26 15:34:26 2014.

[FSP_20140414.pdf \(6,257,833 bytes\)](#)

Package details:

From: emma.pulido@tt

To: chavira.raymond@epamail.epa.gov ; bradley.barquest@utc.com ; tom.perina@ch2m.com ; John.Dolegowski@CH2M.com ; Kerang.Sun@CH2M.com

Subject: UTC PVOU Field Sampling Plan

Arrived: Mon Apr 14 15:34:26 2014

Good afternoon,

Please see the attached UTC PVOU Field Sampling Plan (FSP), per Scott Parsons' request. Please let me know if you have any questions.

Thank you,

Emma Pulido | Administrative Assistant

Direct: 949.809.5118 | Main: 949.809.5000 | Fax: 949.809.5010

emma.pulido@tetrattech.com

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Total file size: 6,257,833 bytes

Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, April 15, 2014 5:27 PM
To: Bradley A Barquest (bradley.barquest@utc.com)
Subject: FW: Request for Conf Call next Week to discuss SZ North work

Let me know what work best.

Ray

From: Chavira, Raymond
Sent: Friday, April 11, 2014 9:18 AM
To: 'Barquest, Bradley A UTCHQ'
Subject: RE: Request for Conf Call next Week to discuss SZ North work

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(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, April 16, 2014 5:53 AM
To: Chavira, Raymond
Subject: RE: Request for Conf Call next Week to discuss SZ North work

I can call you at 10:00 am pacific

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Tuesday, April 15, 2014 7:27 PM
To: Barquest, Bradley A UTCHQ
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Chavira, Raymond

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Subject: RE: Request for Conf Call next Week to discuss SZ North work

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Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

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From: Chavira, Raymond
Sent: Thursday, April 17, 2014 2:02 PM
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From: Chavira, Raymond
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To: Barquest, Bradley A UTCHQ
Subject: RE: Request for Conf Call next Week to discuss SZ North work

Brad,

As a follow up to today's call, please send us a revised six-month look ahead schedule by May 12th or sooner. We can discuss over our next call. Let's try to meet on strategic planning in person in early June around the time we meet with the Water Board

Ray

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Chavira, Raymond

From: Chavira, Raymond
Sent: Monday, May 05, 2014 2:07 PM
To: Barquest, Bradley A UTCHQ
Subject: Dates for RWQCB June 3?

Brad,

You may be out of office but was hoping we could meet with Water Board on June 3rd. We (EPA and UTC) would pre meet on Monday afternoon June 2 or morning of June 3.

I hope we can have a the revised tech memo from all baseline sampling completed at least a week before to review and provide comments to UTC.

Let mw know if this can be accomplished before setting up a date with Water Board.

Ray

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From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Monday, May 05, 2014 6:34 PM
To: Chavira, Raymond
Subject: RE: Dates for RWQCB June 3?

Follow Up Flag: Follow up
Flag Status: Completed

Ray,

We are in the process of completing a 6-month look-ahead for Puente Valley Operable Unit (PVOU) Shallow Zone North (SZN) activities as you requested, and will be submitting that to you on, or before Friday May 9, 2014. A key activity contained in the 6-month look-ahead schedule is the receipt of the baseline water quality data and the associated data validation, data statistical evaluation and preparation of a summary Technical Memorandum (TM) that will be presented to the Los Angeles Regional Water Quality Control Board (LARWQCB).

That said, we believe we will have all laboratory baseline water quality sampling data in our receipt by May 12, 2014. With receipt of the data we will begin concurrent data validation, data statistical evaluation, and TM preparation. It is expected to take approximately three weeks to complete these activities, and that we will submit a draft TM to the United States Environmental Protection Agency (USEPA) by June 2, 2014.

Given this timeframe, I think that a meeting with the LARWQCB on June 2nd or 3rd, 2014 would be premature. I believe it would be prudent to schedule the meeting for late June or early July, 2014 to allow USEPA sufficient time to review and comment on the TM, and for at least two technical conference calls between USEPA and United Technologies Corporation (UTC) and their respective technical representatives to fully discuss the data and prepare for the LARWQCB meeting. This approach will best serve the project schedule by mitigating the risk of potential further delays due a lack of preparation prior to meeting with LARWQCB to discuss the baseline water quality data and any potential issues (if any) the data may present with respect to utilizing the 13811 Amar Road, La Puente, California location for the long-term Interim Record of Decision (IROD) Operational and Functional reinjection of treated extracted PVOU SZN groundwater.

This technical approach and associated timelines are consistent with previous discussions you and I have had, and I believe are also consistent with technical discussions our technical representatives have had as well.

Call or e-mail with questions.

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Chavira, Raymond

From: Chavira, Raymond
Sent: Tuesday, May 06, 2014 9:56 AM
To: Parsons, Scott
Subject: Request for e copy of 28 April 20-14 Progress Report Carrier CAO 88-11

Hi Scott,

Please send e-copy of the Progress Report for the former Carrier facility. In the future, e copies will be sufficient for the Progress Reports only. Other reports e.g. work plans. Reports, etc should be sent in hard and electronic versions

Thanks

Ray.

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Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Tuesday, May 06, 2014 5:53 PM
To: Chavira, Raymond
Cc: Parsons, Scott;<Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com)
Subject: Request to Participate in the SCM Revision Process

Follow Up Flag: Follow up
Flag Status: Completed

Ray, I want to start by thanking you for providing the CDM Smith Technical Data Summary Memorandum (prepared on behalf of Northrop-Grumman) on April 17, 2014 that presented the preliminary draft revised cross sections associated with the PVOU. Both Tetra Tech and United Technologies Corporation (UTC) have performed initial reviews of the data and preliminary interpretations as presented on the various draft cross sections. Based on our current review we have several questions and potential concerns associated with the preliminary interpretations presented in these draft cross sections and the resulting implications to the Site Conceptual Model (SCM).

It is our understanding that the United States Environmental Protection Agency (USEPA), Northrop-Grumman, and their respective technical representatives continue to evaluate and interpret the significant amount of new subsurface (geologic and hydrogeologic) and groundwater analytical data that have been generated in the Puente Valley Operable Unit (PVOU) since 2010 by both Northrop-Grumman and UTC, with the goal of revising/correcting the PVOU SCM. As an accurate SCM is critical to the overall project and will likely influence activities by all interested PVOU parties, UTC formally requests the opportunity to participate in this data evaluation and interpretation process with USEPA and Northrop-Grumman. UTC believes that working collectively and transparently will increase the efficiency of the process and minimize potential project disruptions resulting from conflicts owing to potentially biased evaluations and/or interpretations.

UTC looks forward to participating in all subsurface data evaluations, data interpretations, and working sessions with the USEPA and Northrop-Grumman associated with the revision of the PVOU SCM. To that end, please let both Scott Parsons (Tetra Tech) and me know when we can assist in this important activity and when the next meeting and/or call will occur.

Thanks

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e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Thursday, April 17, 2014 4:48 PM
To: Barquest, Bradley A UTCHQ; Parsons, Scott
Subject: [External] FW: New Package Notification

FYI

From: Kelley, Karen via CDM Smith Files Notification Service [<mailto:NoReply@files.cdmsmith.com>]
Sent: Monday, March 31, 2014 9:42 AM

To: Chavira, Raymond
Subject: New Package Notification



New Package Notification

A package has been posted for you.

From: Kelley, Karen
Subject: Technical Data Summary Memorandum

Please use the following URL to view this package over a secure connection. After viewing this package, you may also download any associated attachments or compose a reply using your favorite web browser.

(<https://files.cdmsmith.com/guestaccess.aspx?OrgID=8113&language=en&arg06=2ab50fce-1fce-419c-8970-5da2d5a20944>)

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i : 4GFv

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Regards,
CDM Smith Files Notification Service

Chavira, Raymond

From: Parsons, Scott <Scott.Parsons@tetrattech.com>
Sent: Wednesday, May 07, 2014 10:49 AM
To: Chavira, Raymond
Subject: RE: Request for e copy of 28 April 20-14 Progress Report Carrier CAO 88-11

Got it. Emma will send you an email shortly with a pdf attached. Future Progress Reports will be submitted email only.

From: Chavira, Raymond [Chavira.Raymond@epa.gov]
Sent: Tuesday, May 06, 2014 11:55 AM
To: Parsons, Scott
Subject: Request for e copy of 28 April 20-14 Progress Report Carrier CAO 88-11

Hi Scott,

Please send e-copy of the Progress Report for the former Carrier facility. In the future, e copies will be sufficient for the Progress Reports only. Other reports e.g. work plans. Reports, etc should be sent in hard and electronic versions

Thanks

Ray.

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, May 07, 2014 3:45 PM
To: Barquest, Bradley A UTCHQ
Subject: RE: Dates for RWQCB June 3?

Brad,

I would like to set a tentative date of June 24th to meet with Water Board. We can hold preliminary discussions the week of June 2 (except June 4) and including in person meeting either Monday afternoon June 23rd.

I would like to have this settled so that we can commence with field work in July 2014.

Ray

From: Barquest, Bradley A UTCHQ [<mailto:Bradley.Barquest@utc.com>]
Sent: Monday, May 05, 2014 6:34 PM
To: Chavira, Raymond
Subject: RE: Dates for RWQCB June 3?

Ray,

We are in the process of completing a 6-month look-ahead for Puente Valley Operable Unit (PVOU) Shallow Zone North (SZN) activities as you requested, and will be submitting that to you on, or before Friday May 9, 2014. A key activity contained in the 6-month look-ahead schedule is the receipt of the baseline water quality data and the associated data validation, data statistical evaluation and preparation of a summary Technical Memorandum (TM) that will be presented to the Los Angeles Regional Water Quality Control Board (LARWQCB).

That said, we believe we will have all laboratory baseline water quality sampling data in our receipt by May 12, 2014. With receipt of the data we will begin concurrent data validation, data statistical evaluation, and TM preparation. It is expected to take approximately three weeks to complete these activities, and that we will submit a draft TM to the United States Environmental Protection Agency (USEPA) by June 2, 2014.

Given this timeframe, I think that a meeting with the LARWQCB on June 2nd or 3rd, 2014 would be premature. I believe it would be prudent to schedule the meeting for late June or early July, 2014 to allow USEPA sufficient time to review and comment on the TM, and for at least two technical conference calls between USEPA and United Technologies Corporation (UTC) and their respective technical representatives to fully discuss the data and prepare for the LARWQCB meeting. This approach will best serve the project schedule by mitigating the risk of potential further delays due a lack of preparation prior to meeting with LARWQCB to discuss the baseline water quality data and any potential issues (if any) the data may present with respect to utilizing the 13811 Amar Road, La Puente, California location for the long-term Interim Record of Decision (IROD) Operational and Functional reinjection of treated extracted PVOU SZN groundwater.

This technical approach and associated timelines are consistent with previous discussions you and I have had, and I believe are also consistent with technical discussions our technical representatives have had as well.

Call or e-mail with questions.

Bradley A Barquest, R.G.
United Technologies Corporation
Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
Sent: Monday, May 05, 2014 4:07 PM
To: Barquest, Bradley A UTCHQ
Subject: [External] Dates for RWQCB June 3?

Brad,

You may be out of office but was hoping we could meet with Water Board on June 3rd. We (EPA and UTC) would pre meet on Monday afternoon June 2 or morning of June 3.

I hope we can have a the revised tech memo from all baseline sampling completed at least a week before to review and provide comments to UTC.

Let mw know if this can be accomplished before setting up a date with Water Board.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Barquest, Bradley A UTCHQ <Bradley.Barquest@utc.com>
Sent: Wednesday, May 07, 2014 3:46 PM
To: Chavira, Raymond
Subject: Automatic reply: Dates for RWQCB June 3?

I will be out of the office Tuesday May 5 through Wednesday May 6, 2014 and will have limited telephone and no e-mail access during that time.

Thank you

Chavira, Raymond

From: Chavira, Raymond
Sent: Wednesday, May 07, 2014 4:14 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott; <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com)
Subject: RE: Request to Participate in the SCM Revision Process

Brad,

We plan to continue to provide updates as we collectively move to update the CSM for the “mouth of the valley” region of the PVOU. EPA expects UTC and NGSC to continue information and data sharing and in some cases coordination as we wind up current groundwater investigations later this summer/fall. I expect future technical meetings on the CSM in late summer early/fall 2014 at which both parties would be expected to attend.

Ray

From: Barquest, Bradley A UTCHQ [mailto:Bradley.Barquest@utc.com]
Sent: Tuesday, May 06, 2014 5:53 PM
To: Chavira, Raymond
Cc: Parsons, Scott; <Tom.Perina@CH2M.com> (Tom.Perina@CH2M.com)
Subject: Request to Participate in the SCM Revision Process

Ray, I want to start by thanking you for providing the CDM Smith Technical Data Summary Memorandum (prepared on behalf of Northrop-Grumman) on April 17, 2014 that presented the preliminary draft revised cross sections associated with the PVOU. Both Tetra Tech and United Technologies Corporation (UTC) have performed initial reviews of the data and preliminary interpretations as presented on the various draft cross sections. Based on our current review we have several questions and potential concerns associated with the preliminary interpretations presented in these draft cross sections and the resulting implications to the Site Conceptual Model (SCM).

It is our understanding that the United States Environmental Protection Agency (USEPA), Northrop-Grumman, and their respective technical representatives continue to evaluate and interpret the significant amount of new subsurface (geologic and hydrogeologic) and groundwater analytical data that have been generated in the Puente Valley Operable Unit (PVOU) since 2010 by both Northrop-Grumman and UTC, with the goal of revising/correcting the PVOU SCM. As an accurate SCM is critical to the overall project and will likely influence activities by all interested PVOU parties, UTC formally requests the opportunity to participate in this data evaluation and interpretation process with USEPA and Northrop-Grumman. UTC believes that working collectively and transparently will increase the efficiency of the process and minimize potential project disruptions resulting from conflicts owing to potentially biased evaluations and/or interpretations.

UTC looks forward to participating in all subsurface data evaluations, data interpretations, and working sessions with the USEPA and Northrop-Grumman associated with the revision of the PVOU SCM. To that end, please let both Scott Parsons (Tetra Tech) and me know when we can assist in this important activity and when the next meeting and/or call will occur.

Thanks

Bradley A Barquest, R.G.
United Technologies Corporation

Telephone 763-432-5695
e-fax 860-622-0566
bradley.barquest@utc.com

From: Chavira, Raymond [<mailto:Chavira.Raymond@epa.gov>]
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Regards,
CDM Smith Files Notification Service

Chavira, Raymond

From: Chavira, Raymond
Sent: Thursday, May 15, 2014 3:27 PM
To: Barquest, Bradley A UTCHQ
Cc: Parsons, Scott;Tom.Perina@CH2M.com
Subject: EPA Request for Submittal of Summary Compilation of Chromium (Total and Cr VI)
Groundwater Data for SZ North

Brad,

Per may voicemail today, EPA under provisions of the Carrier Consent Decree (2006) is requesting submittal of a Summary Report of Total Chromium and Chromium VI Groundwater Data for the Puente Valley Operable Unit. We are requesting a compilation of all groundwater data collected since the 2002 emergent chemical sampling program to the present for all groundwater data either reported or unreported for total chromium and chromium VI from any wells within the PVOU. Include all primary, field duplicate, equipment blank, trip blank samples with the well ID, sample delivery group number, lab sample ID, date sampled, detection and reporting limits, qualifiers. Please include reference analytical method used.

Thank for you cooperation in this matter. If you have any questions, please call me at 415.947.4218.

Ray

Raymond Chavira
Environmental Scientist/Remedial Project Manager
EPA Region IX
75 Hawthorne Street, SFD-7-3
San Francisco, CA 94105-3901
(415) 947-4218
(415) 947-3528 fax

Chavira, Raymond

From: Chavira, Raymond
Sent: Friday, May 30, 2014 2:23 PM
To: Barquest, Bradley A UTCHQ;Klaus Rohwer
Subject: News Forwarded: EPA to train for jobs at contaminated site...

Klaus/Brad,

This is a current Job Training Initiative site that I hope we can do at Puente Valley next year. I have included a list of possible positions at the end of this email for your review.

Ray

<http://www.dailybulletin.com/government-and-politics/20140529/epa-to-train-for-jobs-at-contaminated-site>

EPA to train for jobs at contaminated site
05/29/2014
Inland Valley Daily Bulletin - Online

The federal agency charged with overseeing cleanup of groundwater contamination in the Rialto-Colton basin is offering job training for people interested in working as part of the decontamination process. The U.S. Environmental Protection Agency Superfu...

Link: <http://news.vocus.com/?a=17880162872&p=19f&v=1&x=2u5e L eZaEmJ 9fYVRvkQ>

Here is a list of possible jobs for the Job Training

From: Tiffany Reed [<mailto:treed@skeo.com>]
Sent: Saturday, March 22, 2014 6:29 PM
To: Cooper, Viola
Cc: Chavira, Raymond
Subject: List of Possible Positions

Hi Viola,

Here is a broad list of possible jobs that might be available in conjunction with construction. Some of these positions are not entry-level, but might be included in order to round out a full class of trainees to be placed in site-related work. Please let me know what else I can do to get the ball rolling!

1. Truck drivers
2. General laborers/material handlers
3. Heavy equipment operators
4. Carpenters
5. Electricians
6. Site managers
7. Site soordinators
8. Electricians
9. Painters

10. Drywall installation
11. Welders
12. Pipefitters
13. Samplers
14. Flaggers
15. Foreman
16. Administrative/Office workers
17. Field Technicians

Tiffany

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Tiffany Reed
Technical Assistance Specialist
Skeo Solutions
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www.skeo.com
treed@skeo.com